

## Reviews

### The cell cycle and pluripotency

Published on the Internet 28 March 2013,  
doi:10.1042/BJ20121627

C. Hindley and A. Philpott

135–143

### Methionine salvage and S-adenosylmethionine: essential links between sulfur, ethylene and polyamine biosynthesis

Published on the Internet 28 March 2013,  
doi:10.1042/BJ20121744

M. Sauter, B. Moffatt, M.C. Saechao, R. Hell and  
M. Wirtz

145–154

## Online Commentary

With an antibody whose duty's double, a step towards ending asthma trouble

Published on the Internet 28 March 2013,  
doi:10.1042/BJ20130305  
(see accompanying paper, pp. 165–175)

E.J. Sundberg

e1–e3

## Research Papers

Zinc-dependent lysosomal enlargement in TRPML1-deficient cells involves MTF-1 transcription factor and ZnT4 (Slc30a4) transporter  
Published as BJ Immediate Publication 1 February 2013,  
doi:10.1042/BJ20121506

I. Kukic, J.K. Lee, J. Coblenz, S.L. Kelleher  
and K. Kiselyov



155–163

Production of a human neutralizing monoclonal antibody and its crystal structure in complex with ectodomain 3 of the interleukin-13 receptor  $\alpha 1$   
Published as BJ Immediate Publication 6 February 2013,  
doi:10.1042/BJ20121819

N.T. Redpath, Y. Xu, N.J. Wilson, L.J. Fabri,  
M. Baca, A.E. Andrews, H. Braley, P. Lu,  
C. Ireland, R.E. Ernst, A. Woods, G. Forrest,  
Z. An, D.M. Zaller, W.R. Strohl, C.S. Luo,  
P.E. Czabotar, T.P.J. Garrett, D.J. Hilton,  
A.D. Nash, J.-G. Zhang and N.A. Nicola



165–175

Subtype-selective regulation of IP<sub>3</sub> receptors by thimerosal via cysteine residues within the IP<sub>3</sub>-binding core and suppressor domain  
Published as BJ Immediate Publication 2 January 2013,  
doi:10.1042/BJ20121600

S.A. Khan, A.M. Rossi, A.M. Riley, B.V.L. Potter and  
C.W. Taylor



177–184

The P-body component USP52/PAN2 is a novel regulator of HIF1A mRNA stability  
Published as BJ Immediate Publication 11 February 2013,  
doi:10.1042/BJ20130026

J.S. Bett, A.F.M. Ibrahim, A.K. Garg, V. Kelly, P. Pedrioli,  
S. Rocha and R.T. Hay



185–194

Interaction of NuMA protein with the kinesin Eg5: its possible role in bipolar spindle assembly and chromosome alignment  
Published as BJ Immediate Publication 1 February 2013,  
doi:10.1042/BJ20121447

Y. Iwakiri, S. Kamakura, J. Hayase and H. Sumimoto



195–204

Aminolaevulinic acid synthase of *Rhodobacter capsulatus*: high-resolution kinetic investigation of the structural basis for substrate binding and catalysis  
Published as BJ Immediate Publication 31 January 2013,  
doi:10.1042/BJ20121041

A.-L. Kaufholz, G.A. Hunter, G.C. Ferreira, T. Lendrihas,  
V. Hering, G. Layer, M. Jahn and D. Jahn

205–216

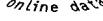
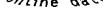
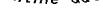
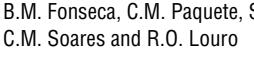
Structure of a class III engineered cephalosporin acylase: comparisons with class I acylase and implications for differences in substrate specificity and catalytic activity  
Published as BJ Immediate Publication 4 February 2013,  
doi:10.1042/BJ20121715

E. Golden, R. Paterson, W.J. Tie, A. Anandan, G. Flematti,  
G. Molla, E. Rosini, L. Pollegioni and A. Vrielink



217–226

## Contents

Incretin-stimulated interaction between $\beta$ -cell Kv1.5 and Kv $\beta$ 2 channel proteins involves acetylation/deacetylation by CBP/SirT1 <i>Published as BJ Immediate Publication</i> 7 February 2013, doi:10.1042/BJ20121669	S.-J. Kim, Z. Ao, G. Warnock and C.H.S. McIntosh	227–234
		
HSP90 inhibitors enhance differentiation and MITF (microphthalmia transcription factor) activity in osteoclast progenitors <i>Published as BJ Immediate Publication</i> 5 February 2013, doi:10.1042/BJ20121626	A.G.J. van der Kraan, R.C.C. Chai, P.P. Singh, B.J. Lang, J. Xu, M. T. Gillespie, J.T. Price and J.M.W. Quinn	235–244
		
V101L of human formyl peptide receptor 1 (FPR1) increases receptor affinity and augments the antagonism mediated by cyclosporins <i>Published as BJ Immediate Publication</i> 4 February 2013, doi:10.1042/BJ20121839	C. Zhou, Y. Zhou, J. Wang, Y. Feng, H. Wang, J. Xue, Y. Chen, R.D. Ye and M.-W. Wang	245–255
		
Eukaryotic initiation factor 5A dephosphorylation is required for translational arrest in stationary phase cells <i>Published as BJ Immediate Publication</i> 31 January 2013, doi:10.1042/BJ20121553	J. Chung, A.A. Rocha, R.R. Tonelli, B.A. Castilho and S. Schenckman	257–267
		
Regulation of <i>Bacillus subtilis</i> DesK thermosensor by lipids <i>Published as BJ Immediate Publication</i> 29 January 2013, doi:10.1042/BJ20121825	M. Martín and D. de Mendoza	269–275
		
<i>Entamoeba histolytica</i> : identification of thioredoxin-targeted proteins and analysis of serine acetyltransferase-1 as a prototype example <i>Published as BJ Immediate Publication</i> 11 February 2013, doi:10.1042/BJ20121798	S. Schlosser, D. Leitsch and M. Duchêne	277–288
		
Solution structure, dynamics and binding studies of a family 11 carbohydrate-binding module from <i>Clostridium thermocellum</i> ( <i>Ct</i> CBM11) <i>Published as BJ Immediate Publication</i> 29 January 2013, doi:10.1042/BJ20120627	A. Viegas, J. Sardinha, F. Freire, D.F. Duarte, A.L. Carvalho, C.M.G.A. Fontes, M.J. Romão, A.L. Macedo and E.J. Cabrita	289–300
		
Prohepcidin binds to the <i>HAMP</i> promoter and autoregulates its own expression <i>Published as BJ Immediate Publication</i> 7 February 2013, doi:10.1042/BJ20121466	E. Pandur, K. Sipos, L. Grama, J. Nagy, V.S. Poór, G. Sétáloó, Jr, A. Miseta and Z. Fekete	301–311
		
A broad activity screen in support of a chemogenomic map for kinase signalling research and drug discovery <i>Published as BJ Immediate Publication</i> 12 February 2013, doi:10.1042/BJ20121418	Y. Gao, S.P. Davies, M. Augustin, A. Woodward, U.A. Patel, R. Kovelman and K.J. Harvey	313–328
		
Adenosine-binding motif mimicry and cellular effects of a thieno[2,3- <i>d</i> ]pyrimidine-based chemical inhibitor of atypical protein kinase C isoforms <i>Published as BJ Immediate Publication</i> 18 February 2013, doi:10.1042/BJ20121871	S. Kjær, M. Linch, A. Purkiss, B. Kostelecký, P.P. Knowles, C. Rosse, P. Riou, C. Soudy, S. Kaye, B. Patel, E. Soriano, J. Murray-Rust, C. Barton, C. Dillon, J. Roffey, P.J. Parker and N.Q. McDonald	329–342
		
<b>Corrections</b>		
Mind the gap: cytochrome interactions reveal electron pathways across the periplasm of <i>Shewanella oneidensis</i> MR-1 <i>Published as BJ Immediate Publication</i> 18 February 2013, doi:10.1042/BJ20121871	B.M. Fonseca, C.M. Paquete, S.E. Neto, I. Pacheco, C.M. Soares and R.O. Louro	343
		
G-protein-coupled receptor structure, ligand binding and activation as studied by solid-state NMR spectroscopy <i>Published as BJ Immediate Publication</i> 18 February 2013, doi:10.1042/BJ20121871	X. Ding, X. Zhao and A. Watts	343
		
Identification of novel candidate phosphatidic acid-binding proteins involved in the salt-stress response of <i>Arabidopsis thaliana</i> roots <i>Published as BJ Immediate Publication</i> 18 February 2013, doi:10.1042/BJ20121871	F. McLoughlin, S.A. Arisz, H.L. Dekker, G. Kramer, C.G. de Koster, M.A. Haring, T. Munnik and C. Testerink	343